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FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM

ELIMINATION REPORT

FOR

FORMER ALLIED CHEMICAL CORPORATION, CHEMICALS COMPANY

(NOW GENERAL CHEMICAL CORPORATION)

NORTH CLAYMONT, DELAWARE

Department of Energy

Office of Nuclear Energy

Office of Remedial Action and Waste Technology

Division of Facility and Site Decommissioning Projects

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INTRODUCTION

The Department of Energy (DOE), Office of Nuclear Energy, Office of Remedial Action and Waste Technology, Division of Facility and Site Decommissioning Projects (and/or predecessor agencies, offices, and divisions) has reviewed the past activities of the Manhattan Engineer District (MED) and the Atomic Energy Commission (AEC) at the Allied Chemical Corporation, Chemicals Company (the former General Chemical Division, Allied Chemical and Dye Corporation), North Claymont, Delaware. On the basis of historical information, DOE has determined that any residual radioactive material potentially remaining from these predecessor activities would be insignificant in terms of both its quantity and the hazard it would represent. Therefore, this site requires no further remedial action and will not be included in the Formerly Utilized Sites Remedial Action Program. This report presents information supporting that decision regarding the radiological conditions and provides assurance that use of the site will not result in any significant radiological hazard to site occupants or the general public.

This elimination report will be archived by DOE through the Assistant Secretary for Management and Administration. A copy of this package will be available for public review between 8:00 a.m. and 4:00 p.m., Monday through Friday (except Federal holidays), at the DOE Public Document Room located in Room 1E-190 of the Forrestal Building, 1000 Independence Avenue, S.W., Washington, D.C.

BACKGROUND

Site Function

In the early 1950's, Allied Chemical was involved in research and development and small pilot-scale operations on uranium recovery from a phosphoric acid plant at North Claymont. The work, under AEC contracts AT(49-1)-610 and AT(49-6)-913, was performed on a small scale. Former AEC employees estimated that, at most, only a few pounds of uranium concentrate were produced.

Site Description

The site is owned and operated by General Chemical Corporation. At the time of the contract with AEC, the company was known as the General Chemical Division of the Allied Chemical and Dye Corporation. The attached figure shows the approximate location of the facility.

Operations at the phosphoric acid plant ceased in the late 1960's, and the plant was demolished in the early 1970's. The contractor, Cleveland Wrecking, salvaged reusable building materials and disposed of the remaining rubble in local landfills. The exact location on the site where the AEC work was performed is not known.

Radiological History and Status

DOE (then the Energy Research and Development Administration) Oak Ridge Operations Office contacted Allied on July 18, 1977. A contact report, furnished to DOE Headquarters on December 12, 1977, concluded that the potential for measurable contamination at this site was insignificant due to the limited scale of operations, and no further investigation was warranted.

ELIMINATION ANALYSIS

Based on the small quantities of uranium processed and the fact that the plant was demolished and the building material and rubble were removed from the site, DOE Oak Ridge Operations Office concluded that the potential for uranium contamination was insignificant. DOE headquarters has approved the operations office recommendation that further investigation to locate and assess the AEC contract work area of the site be terminated. The site has been eliminated from consideration for inclusion in the Formerly Utilized Sites Remedial Action Program.



Location of the Former
Allied Chemical and Dye Corporation

REFERENCES

- C.A. Keller (DOE Oak Ridge Operations Office) to W.E. Mott (DOE Headquarters), "Report of Findings: Allied Chemical Corporaton Sites at North Claymont, Delaware, Marcus Hook; Pennsylvania, and Baltimore, Maryland," December 12, 1977.

DEC 12 1977

W. E. Mott, Director, Division of
Environmental Control Technology, HQ
Germantown, N.S. E-201

REPORT OF FINDINGS: ALLIED CHEMICAL CORPORATION SITES AT
NORTH CLAYMONT, DELAWARE; MARCUS HOOK, PENNSYLVANIA, AND
BALTIMORE, MARYLAND

The following information summarizes our findings and conclusions relative to the reassessment of the subject sites. Information supplied from files of the former Atomic Energy Commission, Division of Raw Materials, indicates the company was engaged during the 1950's in research and development and pilot scale operations on uranium recovery at North Claymont, Delaware, and possibly at other Allied Chemical sites at Marcus Hook, Pa., and Baltimore, Md. under Contracts AT-(49-1)-610 and AT-(49-6)-913. Copies of these contracts are no longer available.

Contact was made with plant managers Anthony Cipola and Jack Dwels of the Marcus Hook and Baltimore facilities respectively and, after review of their records and discussion with available long-time employees, they stated that no AEC contract work could be identified at either site.

Regarding the North Claymont site, it was confirmed from discussions with former AEC Headquarters Division of Raw Materials staff, Frank McGinley, Elmer Greenleaf, and John Ruch, that contract operations there were "small." "At most a few pounds of uranium may have been separated," according to Ruch, who visited the site during its operation. The North Claymont work focused on filtration development and was not apparently successful. It was not possible in discussions with Allied representatives, principally Jack Lucas, to identify the location of this work.

DEC 12 1977

It was concluded that the potential for measurable uranium contamination exists only at the North Claymont site but is so insignificant that further investigation to locate and assess the AEC contract work area is not warranted. It is, therefore, recommended that the reassessment of the subject Allied Chemical Corporation sites be terminated with this report.



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OSE:WTT



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